

**RERTR 2018 – 39TH International Meeting on
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CERCA™'s 40 years experience in U₃Si₂ fuel manufacturing

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ABSTRACT

This paper documents the experience gained at Framatome – CERCA™ in manufacturing, testing, and inspecting U₃Si₂ fuel elements for various Material Test Reactors (MTR) since the beginning of the RERTR Program in 1978, until today.

Framatome – CERCA™ has a long and successful experience in manufacturing, control and transportation LEU U₃Si₂ fuel elements. We deliver them worldwide for many customers in respect to demanding time schedule, quality and safety requirements. All these fuel elements have been irradiated without any safety issue in reactors. A sustainable production is in place and research & development programs are in progress to improve quality and performance of CERCA™ products.